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Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				Application Number	09/776,874
				Filing Date	February 6, 2001
				First Named Inventor	Iris PECKER et al
				Art Unit	1652
				Examiner Name	HUTSON, RICHARD G
Sheet	1	of	33	Attorney Docket Number	01/21603
<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. 1	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-2001/0006630	05-Jul-2001	Yacobi-Zeevi et al.	
	2	US-2002/0068061	06-Jun-2002	Peretz et al.	
	3	US-2002/0088019	04-Jul-2002	Yacoby-Zeevi	
	4	US-2002/0102560	01-Aug-2002	Pecker et al.	
	5	US-2002/0114801	22-Aug-2002	Pecker et al.	
	6	US-2002/0168749	14-Nov-2002	Pecker et al.	
	7	US-2002/0194625	19-Dec-2002	Zcharia et al.	
	8	US-2003/0031660	13-Feb-2003	Yacobi-Zeevi et al.	
	9	US-2003/0068806	10-Apr-2003	Ayal-HersHKovitz et al.	
	10	US-2003/0161823	28-Aug-2003	Ilan et al.	
	11	US-2003/0163836	28-Aug-2003	Garofalo et al.	
	12	US-2003/0170860	11-Sep-2003	Pecker et al.	
	13	US-2003/0181687	25-Sep-2003	Peretz et al.	
	14	US-2003/0190737	09-Oct-2003	Pecker et al.	
	15	US-2003/0217375	20-Nov-2003	Zcharia et al.	
	16	US-2004/0063135	01-Apr-2004	Pecker et al.	
	17	US-2004/0142427	22-Jul-2004	Pecker et al.	
	18	US-2004/0146497	29-Jul-2004	Ilan et al.	
	19	US-2004/0146925	29-Jul-2004	Pecker et al.	
	20	US-2004/0213789	28-Oct-2004	Yacobi-Zeevi et al.	
	21	US-2005/0260187	24-Nov-2005	Ilan et al.	
	22	US-2006/0008892	12-Jan-2006	Yacobi-Zeevi et al.	
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	24	US-2,295,323	08-Sep-1942	Armstrong	
	25	US-4,117,841	03-Oct-1978	Perrotta et al.	
	26	US-4,455,296	19-Jun-1984	Hansen et al.	
	27	US-4,683,195	28-Jul-1987	Mullis et al.	
	28	US-4,859,581	22-Aug-1989	Nicholson et al.	
	29	US-4,882,318	21-Nov-1989	Vlodavsky et al.	
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(06/11/2008)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.H./ (06/11/2008)

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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	30	US-4,937,747	26-Jun-1990	Koller	
	31	US-4,946,778	08-Aug-1990	Ladner et al.	
	32	US-5,129,877	14-Jul-1992	Gallo et al.	
	33	US-5,145,679	08-Sep-1992	Hinson	
	34	US-5,194,596	16-Mar-1993	Tischer et al.	
	35	US-5,206,223	27-Apr-1993	Vlodavsky et al	
	36	US-5,332,812	26-Jul-1994	Nicolson et al.	
	37	US-5,350,836	27-Sep-1994	Kopchick et al.	
	38	US-5,360,735	01-Nov-1994	Weinshank et al.	
	39	US-5,399,351	21-Mar-1995	Leshchiner et al	
	40	US-5,474,983	12-Dec-1995	Kuna et al.	
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	43	US-5,589,604	31-Dec-1996	Drohan et al.	
	44	US-5,600,366	04-Feb-1997	Schulman	
	45	US-5,602,095	11-Feb-1997	Pastan et al.	
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	47	US-5,656,595	12-Aug-1997	Schweighoffer et al.	
	48	US-5,667,501	16-Sep-1997	Fowler et al.	
	49	US-5,688,679	18-Nov-1997	Powell	
	50	US-5,700,671	23-Dec-1997	Prieto et al.	
	51	US-5,714,345	03-Feb-1998	Clark	
	52	US-5,716,817	10-Feb-1998	T?mell	
	53	US-5,736,137	07-Apr-1998	Anderson et al.	
	54	US-5,739,115	14-Apr-1998	Fugedi et al	
	55	US-5,799,276	25-Aug-1998	Komissarchik et al.	
	56	US-5,799,311	25-Aug-1998	Agrawal et al.	
	57	US-5,830,759	03-Nov-1998	Chang et al.	
	58	US-5,859,660	12-Jan-1999	Perkins et al.	
	59	US-5,859,929	12-Jan-1999	Zhou et al.	
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	60	US-5,917,830	29-Jun-1999	Chen et al.	
	61	US-5,962,321	05-Oct-1999	Gough et al.	
	62	US-5,968,822	19-Oct-1999	Pecker et al.	
	63	US-5,997,863	07-Dec-1999	Zimmermann et al.	
	64	US-6,020,931	01-Feb-2000	Bilbrey et al.	
	65	US-6,140,552	31-Oct-2000	Deboer et al.	
	66	US-6,153,187	28-Nov-2000	Yacoby-Zeevi	
	67	US-6,177,545	13-Jan-2001	Pecker et al.	
	68	US-6,190,875	20-Feb-2001	Ben-Artzi et al.	
	69	US-6,226,792	01-May-2001	Goiffon et al.	
	70	US-6,230,151	08-May-2001	Agrawal et al.	
	71	US-6,242,238	05-Jun-2001	Freeman et al.	
	72	US-6,307,965	23-Oct-2001	Aggarwal et al.	
	73	US-6,314,420	06-Nov-2001	Lang et al.	
	74	US-6,348,344	19-Feb-2002	Ayal-HersHKovitz et al.	
	75	US-6,387,643	14-May-2002	Heinrikson et al.	
	76	US-6,423,312	23-Jul-2002	Yacoby-Zeevi	
	77	US-6,426,209	30-Jul-2002	Ayal-HersHKovitz et al.	
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	79	US-6,531,129	11-Mar-2003	Pecker et al.	
	80	US-6,562,950	13-May-2003	Peretz et al.	
	81	US-6,664,105	16-Dec-2003	Pecker et al.	
	82	US-6,699,672	02-Mar-2004	Pecker et al.	
	83	US-6,790,658	14-Sep-2004	Pecker et al.	
	84	US-6,798,658	28-Sep-2004	Takedomi et al.	
	85	US-6,800,441	05-Oct-2004	Pecker et al.	
	86	US-6,946,131	20-Sep-2005	Peretz et al.	
	87	US-6,960,471	01-Nov-2005	Pecker et al.	
	88	US-6,986,996	17-Jan-2006	Pecker et al.	
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<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Documents		Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	89	EP	0254067	27-Jan-1988	Cohen et al.		
	90	EP	0998569	10-May-2000	Pecker et al.		
	91	IL	133264	30-Apr-2001	Pecker et al.		
	92	AU	735116	28-Jun-2001	Pecker et al.		
	93	AU	768820	08-Jan-2004	Ben-Artzi et al.		
	94	PCT	WO 00/03036	20-Jan-2000	Ben-Artzi et al.		
	95	PCT	WO 00/25817	11-May-2000	Peretz et al.		
	96	PCT	WO 00/52149	08-Sep-2000	Yacobi-Zeevi		
	97	PCT	WO 00/52178	08-Sep-2000	Pecker et al.		
	98	PCT	WO 01/00643	04-Jan-2001	Pecker et al.		
	99	PCT	WO 02/19962	14-Mar-2002	Ilan et al.		
	100	PCT	WO 02/32283	25-Apr-2002	Yacoby-Zeevi		
	101	PCT	WO 03/006645	23-Jan-2003	Bohlen et al.		
	102	PCT	WO 2004/108065	16-Dec-2004	Yacobi-Zeevi et al.		
	103	PCT	WO 88/01280	25-Feb-1988	Nicolson et al.		
	104	PCT	WO 91/02977	07-Mar-1991	Fuks et al.		
	105	PCT	WO 91/19197	12-Dec-1991	Nicolson et al.		
	106	PCT	WO 92/01003	23-Jan-1992	Nicolson et al.		
	107	PCT	WO 95/04518	16-Feb-1995	Midha et al.		
	108	PCT	WO 97/11684	03-Apr-1997	Bennett et al.		
	109	PCT	WO 97/27327	31-Jul-1997	Van Ness et al.		
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	111	PCT	WO 98/46258	22-Oct-1998	Bhaskar et al.		
	112	PCT	WO 99/11798	11-Mar-1999	Pecker et al.		
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	114	PCT	WO 99/21975	06-May-1999	Freeman et al.		
	115	PCT	WO 99/40207	12-Aug-1999	Nakajima et al.		
	116	PCT	WO 99/48478	30-Sep-1999	Yacoby-Zeevi		
	117	PCT	WO 99/57153	11-Nov-1999	Pecker et al.		
	118	PCT	WO 99/57244	11-Nov-1999	Ben-Artzi et al.		
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<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>					
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	119	Abaza et al. "Effects of Amino Acid Substitutions Outside An Antigenic Site on Protein Binding to Monoclonal Antibodies of Predetermined Specificity Obtained by Peptide Immunization: Demonstration With Region 94-100 (Antigenic Site 3) of Myoglobin", Journal of Protein Chemistry, 11(5): 433-444, 1992.			
	120	Abrahamsohn et al. "Implantation and Decidualization in Rodents", J. Exp. Zool., 266(6): 603-628, 1993. Abstract.			
	121	Adams et al. "Initial Assessment of Human Gene Diversity and Expression Patterns Based Upon 83 Million Nucleotides of cDNA Sequence", Nature, 377(6547): 3-174, 1995. GenBank Entry AA304653, 1997.			
	122	Agrawal "Antisense Oligonucleotides: Towards Clinical Trials", TIBTech, Trends in Biotechnology, 14: 376-387, 1996.			
	123	Albus et al. "Staphylococcus Aureus Capsular Types and Antibody Response to Lung Infection in Patients With Cystic Fibrosis", J. Clin. Microbiol., 26(12): 2505-2509, 1988. Abstract.			
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	125	Allen "Opportunities for the Use Aerosolized ?1 - Antitrypsin for the Treatment of Cystic Fibrosis", Chest, 110: 256S-260S, 1996.			
	126	Allison et al. "Polysaccharide Production in Pseudomonas Cepacia", J. Basic. Microbiol., 34(1): 3-10, 1994. Abstract.			
	127	Alvarez-Dominguez et al. "Host Cell Heparian Sulfate Proteoglycans Mediate Attachment and Entry of Listeria Monocytogenes, and the Listerial Surface Protein ActA Is Involved in Heparan Sulfate Receptor Recognition", Infection & Immun., 65(1): 78-88, 1997. Abstract.			
	128	Anatolii "Hyaluronic Capsule as One of the Factors of Hemolytic Streptococcus Pathogenicity", Chem. Abstracts 86(17): 339, 1977. Abstr.118714 in Zh. Mikrobiol. Epidemiol. Immunobiol., 2: 22-27, 1977.			
	129	Aoki et al. "In Vivo Transfer Efficiency of Antisense Oligonucleotides Into the Myocardium Using HVJ-Liposome Method", Biochemical and Biophysical Research Communications, 231: 540-545, 1997.			
	130	Aplin "Adhesion Molecules in Implantation", Reviews of Reproduction, 2(2): 84-93, 1997.			
	131	Armstrong et al. "Lower Airway Inflammation in Infants and Young Children With Cystic Fibrosis", Am. J. Respir. Crit. Care Med., 156(4 Pt.1): 1197-1204, 1997. Abstract.			
	132	Asagoe et al. "Effect of Heparin on Infection of Cells by Equine Arteritis Virus", J. Vet. Med. Sci., 59(8): 727-728, 1997. Abstract.			
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				Filing Date	February 6, 2001
				First Named Inventor	Iris PECKER et al
				Art Unit	1652
				Examiner Name	HUTSON, RICHARD G
Sheet	12	Of	33	Attorney Docket Number	01/21603
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	211	Flanagan et al. "Potent and Selective Gene Inhibition Using Antisense Oligodeoxynucleotides", Molecular and Cellular Biochemistry, 172: 213-225, 1997.			
	212	Frederiksen et al. "Antibiotic Treatment of Initial Colonization with Pseudomonas Aeruginosa Postpones Chronic Infection and Prevents Deterioration of Pulmonary Function in Cystic Fibrosis", Pediatr. Pulmonol. 23(5): 330-335, 1997. Abstract.			
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	214	Freeman et al. "A Rapid Quantitative Assay for the Detection of Mammalian Heparanase Activity", Biochemical Journal, 325: 229			
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	219	Gantt et al. "Cell Adhesion to A Motif Shared by the Malaria Circumsporozoite Protein and Thrombospondin Is Mediated by Its Glycosaminoglycan			
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	223	Ghani et al. "Ceftazidime, Gentamicin, and Rifampicin, in Combination, Kill Biofilms of Mucoid Pseudomonas Aeruginosa", Can. J. Microbiol., 43(11): 999			
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	224	Giuffre et al. "Monocyte Adhesion to Activated Aortic Endothelium: Role of L-Selectin and Heparan Sulfate Proteoglycans", J. Cell Biol., 136(4): 945-956, 1997. Abstract.			
	225	Godder et al. "Heparanase Activity in Cultured Endothelial Cells", Journal of Cellular Physiology, 148: 274-280, 1991.			
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	227	Goldshmidt et al. "Cell Surface Expression and Secretion of Heparanase Markedly Promote Tumor Angiogenesis and Metastasis", Proc. Natl. Acad. Sci. USA, 99(15): 10031-10036, 2002.			
	228	Gordon-Cardo et al. "Expression of Basic Fibroblast Growth Factor in Normal Human Tissues", Laboratory Investigation, 63: 832-840, 1990. Abstract.			
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	230	Gottschalk et al. "Somatic Gene Therapy. Present Situation and Future Perspective", Arzneimittelforschung, 48(11): 1111-1120, 1998. Abstract.			
	231	Graham et al. "Comparison of the Heparanase Enzymes From Mouse Melanoma Cells, Mouse Macrophages, and Human Platelets", Biochemistry and Molecular Biology International, 39(3): 563-571, 1996. Abstract.			
	232	Green et al. "Antisense Oligonucleotides: An Evolving Technology for the Modulation of Gene Expression in Human Disease", Journal of American Cell Surgery, 191(1): 93-105, 2000.			
	233	Guriec et al. "CD44 Isoforms With Exon V6 and Metastasis of Primary N0M0 Breast Carcinomas", Breast Cancer Res. Treat., 44(3):261-268, 1997. Abstract.			
	234	Hagiwara et al. "Inhibitory Effect of Heparin on Red Blood Cell Invasion by Theileria Sergenti Merozoites", Int. J. Parasitol., 27(5): 535-539, 1997. Abstract.			
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	237	Hammer et al. "Spontaneous Inflammatory Disease in Transgenic Rats Expressing HLA-B27 and Human ?2m: An Animal Model of HLA-B27-Associated Human Disorders"			
	238	Harlow et al. "Antibodies - A Laboratory Manual", Cold Spring Harbor Press, P. 471-510, 1988.			
	239	Harvey et al. "Expression of Exogenous Protein in the Egg White of Transgenic Chickens"			
	240	Hatano et al. "Biologic Activities of Antibodies to the Neutral-Polysaccharide Component of the Pseudomonas Aeruginosa Lipopolysaccharide Are Blocked by O Side Chains and Mucoic Acid Exopolysaccharide (Alginate)"			
	241	Hatch et al. "Alginate Lyase Promotes Diffusion of Aminoglycosides Through the Extracellular Polysaccharide of Mucoic Acid Pseudomonas Aeruginosa"			
	242	Hayward et al. "Cellular Mechanisms of Heparinase III Protection in Rat Traumatic Shock"			
	243	Hayward et al. "Heparinase III Exerts Endothelial and Cardioprotective Effects in Feline Myocardial Ischemia-Reperfusion Injury"			
	244	Herrera et al. "Mediation of Trypanosoma Cruzi Invasion by Heparan Sulfate Receptors on Host Cells and Penetrin Counter-Receptors on the Trypanosomes"			
	245	Hida et al. "Antisense E1AF Transfection Restrains Oral Cancer Invasion by Reducing Matrix Metalloproteinase Activities"			
	246	Hill et al. "Organ-Specific Over-Sulfation of Glycosaminoglycans and Altered Extracellular Matrix in A Mouse Model of Cystic Fibrosis"			
	247	Hillier et al. "The WashU-Merck EST Project" GenBank Entry N32056			
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	248	Hillier et al. "The WashU-Merck EST Project", No. N30824, Database GenBank on STN, US National Library of Medicine (Bethesda MD), 1996.			
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	251	Hormuzdi et al. "A Gene-Targeting Approach Identifies A Function for the First Intron in Expression of the ?1 (I) Collagen Gene.", Mol Cell Biol., 18(6): 3368-3375, 1998. Abstract.			
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	261	Jin et al. "Molecular Cloning and Expression of Human Heparanase cDNA", Proceedings American Association for Cancer Research Annual Meeting, 1992, 33: 57, 1992. Abstract.			
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	263	Jorba et al. "Variations in the P. Aeruginosa Polysaccharide Synthesis Conditioned by Aminosugars"			
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	268	Kawase et al. "Effect of Partial Incision of the Zona Pellucida by Piezo-Micromanipulator for In Vitro Fertilization Using Frozen-Thawed Mouse Spermatozoa on the Developmental Rate of Embryos Transferred at the 2-Cell Stage"			
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				Filing Date	February 6, 2001
				First Named Inventor	Iris PECKER et al
				Art Unit	1652
Examiner Name	HUTSON, RICHARD G				
Sheet	23	Of	33	Attorney Docket Number	01/21603
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	358	Quax et al. "Metastatic Behavior of Human Melanoma Cell Lines in Nude Mice Correlates With Urokinase			
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	383	Shastry "Gene Disruption in Mice: Models of Development and Disease", Molecular and Cellular Biochemistry, 181: 163-179, 1998.			
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				Filing Date	February 6, 2001
				First Named Inventor	Iris PECKER et al
				Art Unit	1652
				Examiner Name	HUTSON, RICHARD G
Sheet	29	Of	33	Attorney Docket Number	01/21603
<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	435	Zcharia et al. "Heparanase Accelerates Wound Angiogenesis and Wound Healing in Mouse and Rat Models", The FASEB Journal, 19: 211-221, 2005.			
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	447	Goshen et al. "Purification and Characterization of Placental Heparanase and Its Expression by Cultured Cytotrophoblasts", Molecular Human Reproduction, 2(9): 679-684, 1996.	
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	460	Ornitz et al. "FGF Binding and FGF Receptor Activation by Synthetic Heparin-Derived Di- and Trisaccharides", Science, 268: 432-436, 1995.		
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